



TROPICAL CYCLONE BULLETIN NO. 15
Severe Tropical Storm PAENG (NALGAE)

Issued at 5:00 AM, 29 October 2022

Valid for broadcast until the next bulletin at 8:00 AM today

SEVERE TROPICAL STORM "PAENG" CROSSES THE SOUTHERN TIP OF CATANDUANES AND MAKES LANDFALL IN CAMARINES SUR						
Location of Center (4:00 AM)						
The center of Severe Tropical Storm "PAENG" was estimated based on all available data including those from Daet and Baler Doppler Weather Radars in the vicinity of Siruma, Camarines Sur (14.0°N, 123.3°E)						
Intensity						
Maximum sustained winds of 95 km/h near the center, gustiness of up to 160 km/h , and central pressure of 985 hPa						
Present Movement						
West northwestward at 30 km/h						
Extent of Tropical Cyclone Winds						
Strong to storm-force winds extend outwards up to 560 km from the center						
TRACK AND INTENSITY FORECAST						
Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 11:00 AM 29 October 2022	14.4	122.0	Over the coastal waters of Polillo (Balesin Is.), Quezon	95	STS	WNW 15
24-Hour Forecast 11:00 PM 29 October 2022	15.2	119.8	Over the coastal waters of Botolan, Zambales	85	TS	WNW 20
36-Hour Forecast 11:00 AM 30 October 2022	15.8	118.3	185 km West Northwest of Iba, Zambales	95	STS	WNW 15
48-Hour Forecast 11:00 PM 30 October 2022	16.5	117.7	285 km West of Dagupan City, Pangasinan	95	STS	NW 10
60-Hour Forecast 11:00 AM 31 October 2022	17.7	117.4	325 km West of Sinait, Ilocos Sur	100	STS	NNW 10
72-Hour Forecast 11:00 PM 31 October 2022	18.6	117.3	345 km West of Laoag City, Ilocos Norte (Outside the PAR)	100	STS	N 10
96-Hour Forecast 11:00 PM 01 November 2022	20.1	117.4	480 km West of Basco, Batanes (Outside the PAR)	100	STS	N Slowly
120-Hour Forecast 11:00 PM 02 November 2022	21.2	117.0	505 km West of Itbayat, Batanes (Outside the PAR)	95	STS	NNW Slowly



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
<p style="text-align: center;">3</p> <p>Wind threat: Storm-force winds</p>	<p>Camarines Norte, the northern portion of Camarines Sur (Ragay, Lupi, Sipocot, Libmanan, Cabusao, Magarao, Calabanga, Tinambac, Siruma, Goa, Tigaon, San Jose, Lagonoy, Garchitorena, Presentacion, Caramoan, Saglay, Ocampo, Pili, Bombon, Naga City, Del Gallego, Canaman, Camaligan, Milaor, Gainza, Pamplona), and the northern and eastern portions of Quezon (Tagkawayan, Guinayangan, Calauag, Quezon, Lopez, Gumaca, Plaridel, Atimonan, Mauban, Perez, Alabat, Real, Infanta, General Nakar, Sampaloc) including Pollilo Islands</p>	-	-
	<p>Warning lead time: 18 hours Potential impacts of winds: Moderate to significant threat to life and property</p>		
<p style="text-align: center;">2</p> <p>Wind threat: Gale-force winds</p>	<p>Albay, Sorsogon, the northern and western portions of Masbate (City of Masbate, Mobo, Aroroy, Baleno, Mandaon, Milagros, Uson, Balud, Dimasalang) including Ticao and Burias Islands, the rest of Camarines Sur, Marinduque, the rest of Quezon, Laguna, Batangas, Cavite, Metro Manila, Rizal, Bulacan, the southern portion of Aurora (San Luis, Baler, Dingalan, Maria Aurora), the central and southern portions of Nueva Ecija (City of Gapan, San Leonardo, Santo Domingo, Rizal, San Isidro, Laur, Zaragoza, Llanera, Aliaga, Palayan City, Gabaldon, General Mamerto Natividad, Cabanatuan City, Quezon, San Antonio, General Tinio, Santa Rosa, Pe, Jaen, Licab, Bongabon, Cabiao, Talavera, Science City of Munoz, Talugtug, Cuyapo, Guimba, Nampicuan, San Jose City), Tarlac, Pampanga, Bataan, Zambales, the southern portion of Pangasinan (Bautista, Bayambang, Mangatarem, Urbiztondo, Aguilar, Infanta), the northern and central portions of Oriental Mindoro (Puerto Galera, San Teodoro, Baco, City of Calapan, Naujan, Victoria, Pola, Socorro, Pinamalayan, Gloria, Bansud, Bongabong, Roxas), the northern and central portions of Occidental Mindoro (Sablayan, Santa Cruz, Mamburao, Abra de Ilog, Paluan) including Lubang Islands, and Romblon</p>	<p>The western portion of Northern Samar (Capul, San Vicente, San Antonio, Allen, Lavezares, Biri, Victoria, Rosario, San Isidro, San Jose)</p>	-
	<p>Warning lead time: 24 hours Potential impacts of winds: Minor to moderate threat to life and property</p>		



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TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT			
TCWS No.	Luzon	Visayas	Mindanao
1 Wind threat: Strong winds	Isabela, Nueva Vizcaya, Quirino, Kalinga, Ifugao, Mountain Province, Benguet, Ilocos Sur, La Union, the rest of Aurora, the rest of Nueva Ecija, the rest of Pangasinan, the rest of Oriental Mindoro, the rest of Occidental Mindoro, the northern portion of Palawan (El Nido, Taytay, Dumarán, Araceli) including Calamian and Cuyo Islands, and the rest of Masbate	The rest of Northern Samar, Samar, Eastern Samar, Biliran, Leyte, Southern Leyte, Cebu including Bantayan and Camotes Islands, Bohol, Negros Occidental, Negros Oriental, Guimaras, Aklan, Antique, Capiz, Iloilo, Siquijor, and the rest of Leyte	Dinagat Islands, Surigao del Norte including Siargao and Bucas Grande Islands, and Camiguin
	Warning lead time: 36 hours Potential impacts of winds: Minimal to minor threat to life and property		



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HAZARDS AFFECTING LAND AREAS

Heavy Rainfall

- *Through this morning:* Heavy to intense with at times torrential rains over Bicol Region, Aklan, Antique, Capiz, Iloilo, Guimaras, Quezon including Pollilo Islands, Marinduque, Romblon, Mindoro Provinces, and the northern portion of Palawan including Calamian and Cuyo Islands. Moderate to heavy with at times intense rains likely over Metro Manila, Aurora, Bulacan, Negros Occidental, Northern Samar, the eastern portion of mainland Cagayan Valley, and the rest of CALABARZON and Palawan. Light to moderate with at times heavy rains possible over Cordillera Administrative Region, Zamboanga Peninsula, and the rest of Cagayan Valley, Central Luzon, and Visayas.
- *This morning through evening:* Heavy to intense with at times torrential rains likely over Metro Manila, CALABARZON, Marinduque, Romblon, Mindoro Provinces, and the northern portion of Palawan including Calamian and Cuyo Islands. Moderate to heavy with at times intense rains likely over mainland Cagayan Valley, Cordillera Administrative Region, Western Visayas, Aurora, Nueva Ecija, Pampanga, Bulacan, Bataan, and Camarines Provinces. Light to moderate with at times heavy rains possible over Ilocos Region and the rest of Visayas, Central Luzon, and Bicol Region.
- *Tonight through tomorrow morning:* Metro Manila, Zambales, Bataan, Tarlac, Pampanga, Bulacan, Rizal, Laguna, Cavite, and Batangas. Moderate to heavy with at times intense rains likely over mainland Cagayan Valley, Cordillera Administrative Region, Western Visayas, Quezon including Pollilo Islands, Marinduque, Mindoro Provinces, and the rest of Central Luzon. Light to moderate with at times heavy rains possible over Ilocos Region, Camarines Provinces, Romblon, and the northern portion of Palawan including Calamian and Cuyo Islands.
- Under these conditions, **widespread flooding and rain-induced landslides are expected**, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall.

Severe Winds

- Winds of at most storm-force strength may occur within any of the areas where Wind Signal No. 3 is hoisted, while winds reaching reach gale-force strength are possible within any of the areas where Wind Signal No. 2 is in effect. Areas under Wind Signal No.1 may experience strong winds (strong breeze to near gale strength) throughout the passage of the tropical cyclone.
- The surge of the Northeast Monsoon enhanced by PAENG will also bring strong winds with gusts reaching gale-force strength over Batanes, Babuyan Islands, Ilocos Norte, the northern and eastern portions of mainland Cagayan, and the northern portion of Apayao.

Coastal Inundation

There is minimal to moderate risk of storm surge of up to 2.0 m in height which may cause **inundation or flooding in the low-lying and exposed coastal areas** of mainland Bicol Region, Catanduanes, Aurora, Quezon including Polillo Islands, Marinduque, the northern portion of Masbate including Ticao and Burias Islands, and the eastern portion of Batangas. For more information refer to Storm Surge Warning #4 issued at 2:00 AM today.



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HAZARDS AFFECTING COASTAL WATERS

Under the influence of the surge of the Northeast Monsoon and Severe Tropical Storm PAENG, a **marine gale warning** remains in effect over the seaboards of Luzon and Visayas and the western seaboard of Mindanao. For more information, refer to Gale Warning #12 issued at 5:00 AM today.

TRACK AND INTENSITY OUTLOOK

- Severe Tropical Storm PAENG is forecast to continue moving west northwestward through Sunday across Luzon. On the forecast track, the center of PAENG will traverse the Bicol Peninsula until this noon before crossing the CALABARZON-Metro Manila-southern Central Luzon area this early afternoon through tomorrow early morning.
- Frictional effects associated with interaction with the Luzon landmass may result in weakening into a tropical storm within 24 hours, possibly earlier. However, PAENG may re-intensify into a severe tropical storm once it reaches the West Philippine Sea.

Recent landfalls: Virac, Catanduanes (1:10 AM); Caramoan, Camarines Sur (1:40AM)

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 2:00 AM tomorrow.

DOST-PAGASA